

Tips for the Care of Motorola Rechargeable Batteries

These tips will help you get a better performance and longer life out of your Motorola rechargeable batteries.

Instructions for charging your battery

1. **Charge your *new* battery overnight <u>before</u> using it.**
   A. Nickel cadmium (Ni-Cd) or nickel metal hydride (NiMH) from 14 to 16 hours.
   B. Lithium Ion (Li-Ion) from 2 to 3 hours from the time the green light on your charger turns on.

This charging process, known as ***"initialization,"*** will allow your battery to operate at its maximum capacity.

Note: To obtain the best performance from your batteries, the following specifications are based on room temperature conditions (25°C) for storage.

Always ask for <u>original</u> Motorola rechargeable batteries, because they are designed and manufactured by Motorola engineers to ensure optimum output for your portable radio.





Instructions for Storage

Batteries stored for over one year must be subjected to an inspection of their voltage and capacity for the purpose of obtaining better performance from them.

1. **New batteries that have not been previously charged may be stored in well-ventilated, cool, dry places according to the following specifications.**
   - A. Nickel cadmium (Ni-Cd): up to two years.
   - B. Metal nickel hydride (NiMH): up to 1.5 years (18 months).
   - C. Lithium ion (Li-Ion): up to 1.5 years (18 months).
2. **Batteries that have been stored for more than two months must be totally discharged and recharged according to the following specifications.**
   - A. Nickel cadmium (Ni-Cd) or nickel metal hydride (NiMH) for 14 to 16 hours.
   - B. Lithium ion (Li-Ion) for 2 to 3 hours more from the time the green light on the charger turns on.
3. **When a Motorola rapid charger is used, leave the battery in the charger for 2 to 3 additional hours after the green light turns on.**

Maintenance Tips

Putting these useful tips into practice will protect your Motorola rechargeable batteries from extreme temperatures in the charging process and improve their output and useful life.

1. **Don't leave your radio and the charged battery in the charger when it is not charging. Constant charges reduce your battery's lifetime.** Don't use the charger as a stand for your radio.
2. **Only charge your battery when it requires it. If it is not totally discharged, don't recharge it.** We suggest you carry an additional battery, the most effective solution for those operators who require longer operating time.
3. **Don't insert totally charged batteries into the charger for the purpose of generating an extra charge.** This will significantly reduce the life of your battery.
4. **Before charging, stabilize your battery at room temperature (25°C).** Charging your battery below 4°C or above 40°C will cause a reduction in the battery's lifecycle.

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